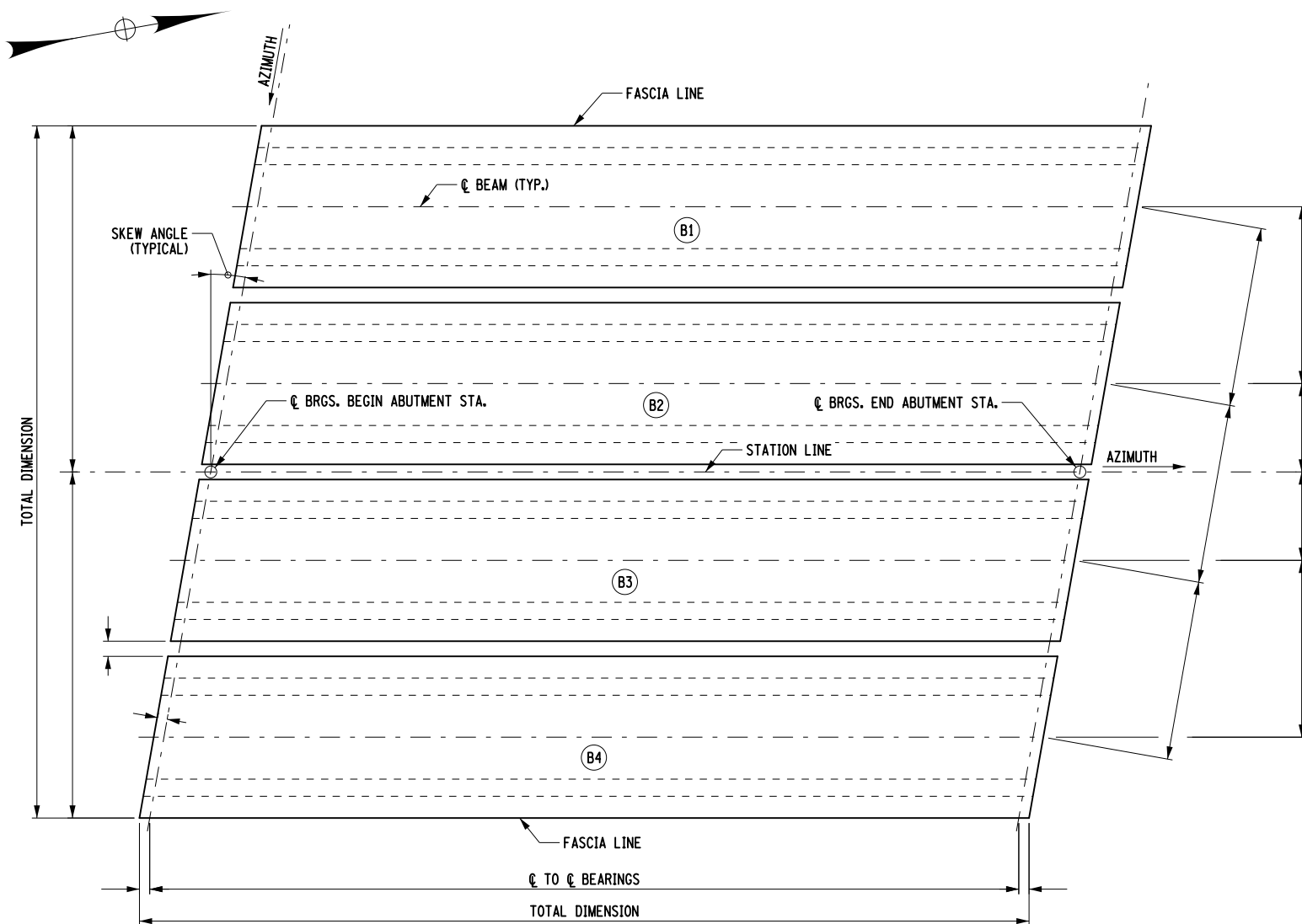
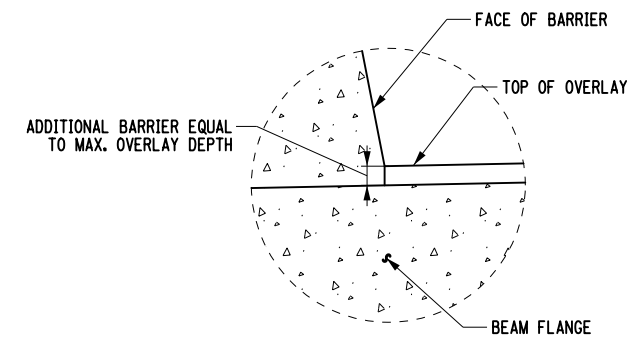


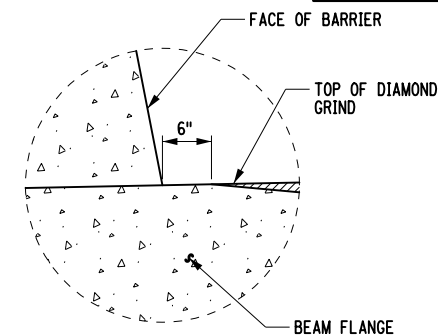
TRANSVERSE SECTION



BEAM LAYOUT PLAN

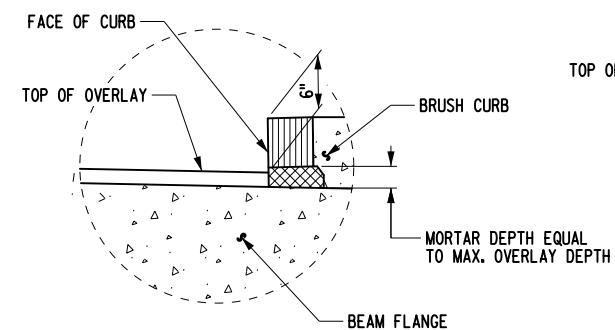


OVERLAY OPTION

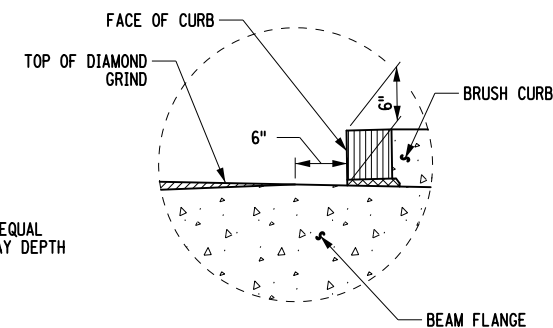


DIAMOND GRIND OPTION

DETAIL "A"

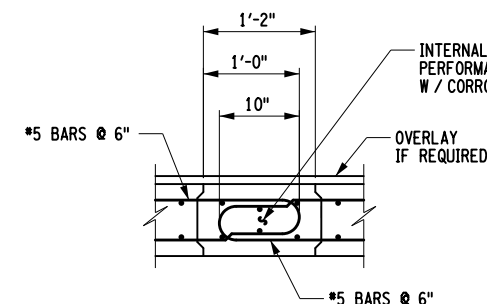


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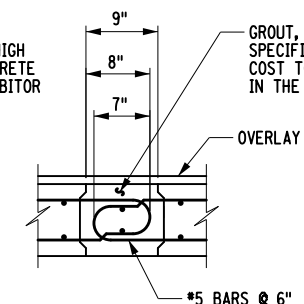
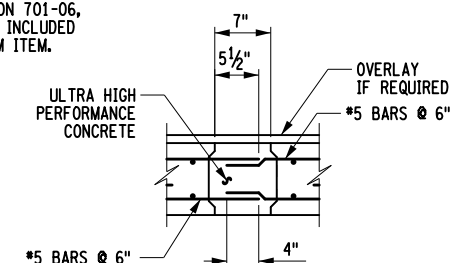


DIAMOND GRIND OPTION

DETAIL "B"



HPIC CONCRETE JOINT

GROUT JOINT
JOINT OPTIONS

UHPC JOINT

DESIGNER NOTES:

THE TOP SURFACE OF TYPE D NEXT BEAMS SHALL RECEIVE A POLYESTER POLYMER CONCRETE (PPC) OVERLAY, AN ASPHALT OVERLAY WITH WATERPROOF MEMBRANE OR BE DIAMOND GROUND AND GROOVED.

IF A POLYESTER POLYMER CONCRETE OVERLAY IS USED, IT SHALL BE A MINIMUM OF $\frac{3}{4}$ " THICK. IF AN ASPHALT OVERLAY IS USED IT SHALL BE A MINIMUM 2" THICK AND UTILIZE A WATERPROOF MEMBRANE. IF DIAMOND GRINDING IS PERFORMED, IT SHALL BE TO A NOMINAL $\frac{1}{2}$ " DEPTH.

DIAMOND GRINDING SHALL BE USED TO IMPROVE RIDEABILITY WHEN AN OVERLAY IS NOT PROVIDED. DIAMOND GRINDING SHALL NOT BE USED AS A METHOD OF ACHIEVING THE REQUIRED ROADWAY SURFACE ELEVATIONS.

WHEN THE CAMBER OF THE BEAM, AS DESIGNED, DIFFERS FROM THE REQUIRED ROADWAY SURFACE BY MORE THAN 1", CAMBER MANAGEMENT METHODS SHALL BE EMPLOYED. SEE SECTION 9 OF THE N.Y.S. BRIDGE MANUAL FOR RECOMMENDED METHODS OF CAMBER MANAGEMENT.

THE GROUTED JOINT OPTION SHALL ONLY BE USED WITH AN OVERLAY.


HIGH MOLECULAR WEIGHT METHACRYLATE (HMWM) SHALL BE APPLIED TO THE DECK SURFACE AT ALL LONGITUDINAL JOINTS AND THE TRANSVERSE JOINTS BETWEEN THE SUPERSTRUCTURE AND THE APPROACH SLABS EXCEPT FOR WHEN USING A PPC OVERLAY.

THE HIGH PERFORMANCE INTERNAL CURING CONCRETE JOINT SHALL HAVE AN OVERLAY UNLESS APPROVED BY THE D.C.E.S.

THE UHPC JOINT OPTION MAY BE USED WITH OR WITHOUT AN OVERLAY.

CHANGE IN SLOPE FOR ROADWAY CROWN MAY OCCUR AT A JOINT OR WITHIN A PRECAST UNIT.

MAXIMUM ALLOWABLE SKEW ANGLE IS 30°. THE ENDS OF THE BEAMS SHALL BE SKEWED FOR SKEWED BRIDGES.

REVISED	 <div>NEW YORK STATE OF OPPORTUNITY.</div>	Department of Transportation Office of Structures	
		PRESTRESSED CONCRETE NEXT D BEAM TRANSVERSE SECTION AND BEAM LAYOUT	
ERRATA			
	APPROVED: 02/17/17 ORIGINAL SIGNED BY <u>RICHARD MARCHIONE, P.E.</u> DEPUTY CHIEF ENGINEER (STRUCTURES)	ISSUED UNDER EB 17-010 EFFECTIVE WITH THE LETTING OF 09/01/17	